

Weekly Report (2015.10.19~10.25)

Done

- 1) Improve current circular layout by extending each ring to a band:
Strategy 1: For each layer (band), layout siblings into separated sections.
Strategy 2: For each layer (band), mix nodes together, despite the difference in parents.
Here are some results:

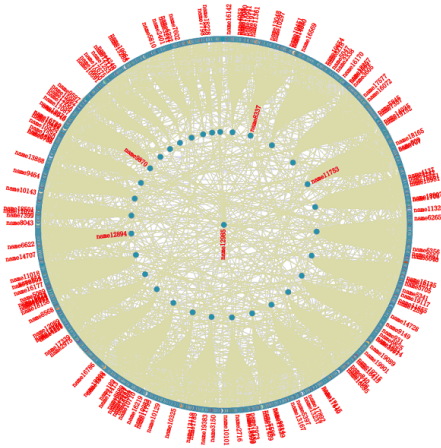


Figure 1 Original layout, 3 layers

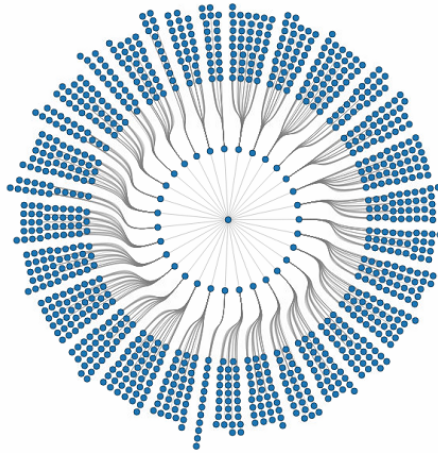


Figure 2 Strategy 1, 3 layers

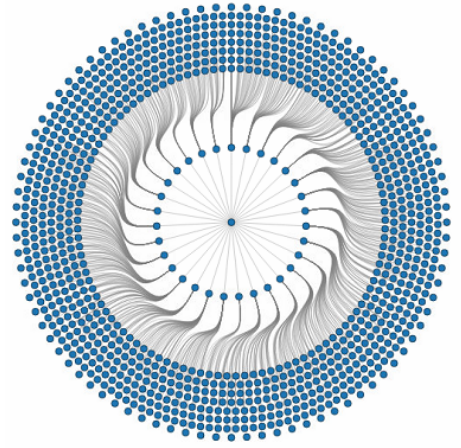


Figure 3 Strategy 2, 3 layers

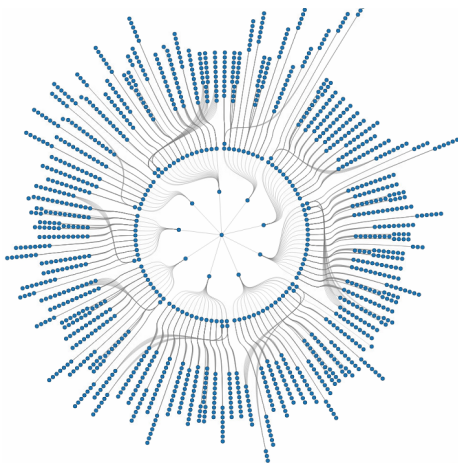


Figure 4 Strategy 1, 4 layers

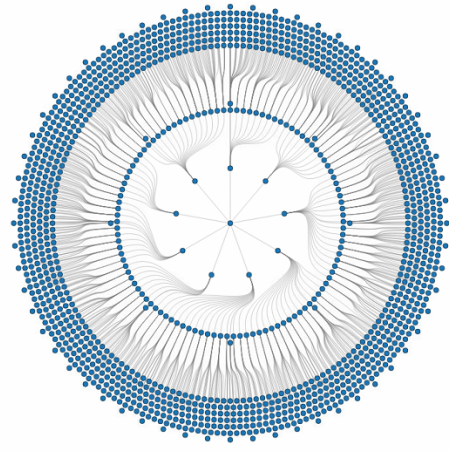


Figure 5 Strategy 2, 4 layers

From the results, we can see that Strategy 1 gives better result when dealing with 3-layers data because we can perceive better hierarchical structure from it, while Strategy 2 gives better result when dealing with 4-layers data because it makes better usage of the space and is more consistent.

I would prefer Strategy 2 because it makes better space usage and thus producing more consistent results. For Strategy 1, it can hardly handle layers with too many sections, as shown in Figure 4.

- 2) CNCC 2015 in Hefei, 10.21-10.23.

To Do

- 1) Review our tasks mentioned in the contrast and make detailed plan to ensure the delivery of this project.